

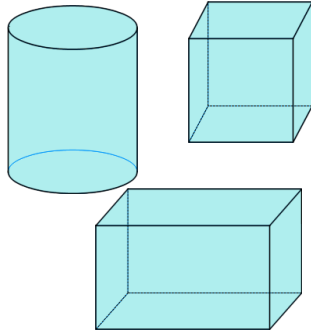
Review for Chapters 12 and 13

Prisms and Cylinders

$$LA = ph$$

$$TA = LA + 2B$$

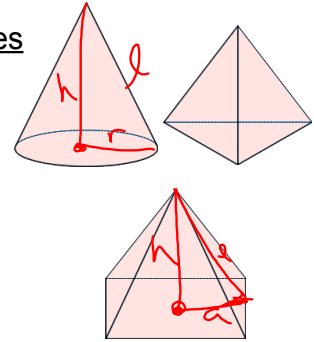
$$V = Bh$$

Pyramids and Cones

$$LA = \frac{1}{2}pl$$

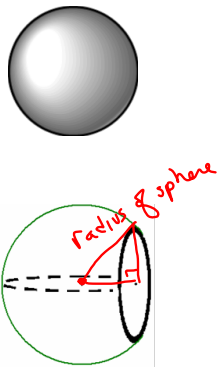
$$TA = LA + B$$

$$V = \frac{1}{3}Bh$$

Spheres

$$A = 4\pi r^2$$

$$V = \frac{4}{3}\pi r^3$$



Great Circle and Hemispheres

$$A = 3\pi r^2$$

Similar Solids

Scale Factor a:b

p, l, h, r, etc...

Ratio of Areas $a^2:b^2$ Ratio of Volumes $a^3:b^3$

- Matching for LA and V
- (must know TA)
- Hemisphere formulas are not in the matching.
- Be able to find h or slant height using a right triangle #7 & 8 (ws)
- Be able to work backwards
- Find area of a circle formed by slicing the sphere
- Know area of square, rectangle, triangle, equilateral triangle, circle, and circumference

